

ABSTRACT

Image acquisition unit with heating device for monitoring the exterior of a vehicle

5        The unit comprises: a casing (1) with a protected interior, a window (2) closed by a transparent element (3) and support means (4) to carry an optical system (5) facing said window (2); image detection means (6) accommodated in said casing (1), facing said optical system (5), an associated with connection means with the exterior for the supply and/or bidirectional signal exchange; and

10      heating means to provide thermal energy to said transparent element (3), or to an adjacent zone thereto, aiming at avoiding lacking transparency problems, due to ambient and climatic factors.